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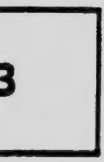

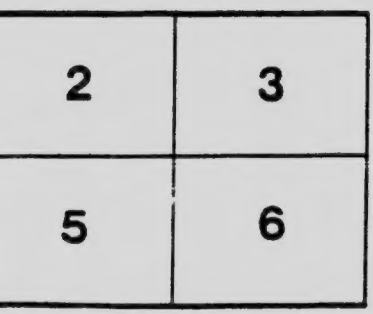

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REPORT

OF

CANADIAN ARCTIC EXPEDITION 1913-18

VOLUME VIII: MOLLUSKS, ECHINODERMS, COELENTERATES, ETC.

PART A:

Mollusks, Recent and Pleistocene . . William Healey Dall

(SUPPLEMENTARY REPORT)

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1924

Issued Nov. 27, 1924

Report of the Canadian Arctic Expedition, 1913-18.

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Supplement to the Report of the Canadian Arctic Expedition, 1913-18, Volume VIII, Part A, Mollusks, Recent and Pleistocene (1919)

By William Healey Dall

Since the preparation and publication of the report above referred to, a a few additional specimens collected by the Northern Party of the expedition from 1915 to 1917 have turned up, and these together with a few collected by the 1908-09 *Arctic* expedition, are herein enumerated.

The localities from which the present lot of specimens were derived are:

(1) The beaches of Melville island, chiefly at or near Winter harbour, about Lat. 74° 50′ N., long. 111° W., collected by Frank C. Hennessey;

(2) One specimen from Melville island, inland about three miles, near Cape Russell, about Lat. 75° 15′ N., long. 117° 30′ W.; taken at a point about 100 feet above sea level, doubtless carried there by a bird or other extraneous agency;

(3) Station 59*b*, beach on the west side of Banks island, in about Lat. 73° 45′ N., collected by V. Stefansson;

(4) Station 64*a*, on Ellef Ringnes island, one of the Sverdrup islands, in about Lat. 79° N., collected by V. Stefansson.

The following lists enumerate the species collected:—

1. Winter harbour, Melville island

Leda (*Portlandia*) *jacksoni* Gould.
Modiolaria substriata Gray.
Astarte borealis Schumacher.
Astarte fabula Reeve, young specimens.
Serripes grönlandicus Gmelin.
Macoma oneilli Dall, very fine.
Saxicava pholadis Linné.
Mya truncata Linné.
Buccinum hydrophanum Hancock.
Buccinum belcheri Reeve, very rare.
Colus (*Aulacofusus*) *sabinii* Gray.
Trichotropis borealis Sowerby.
Margarites umbilicalis Broderip and Sowerby.
Margarites (*Pupillaria*) *striatus* Broderip and Sowerby.
Margarites (*Pupillaria*) *cinereus* Couthouy.

2. Melville island, 3 miles inland

Buccinum polare Gray.

3. Station 59*b*. Beach on the west side of Banks island

Chrysodomus solutus Herrman, fragment.

4. Station 64*a*, Ellef Ringnes island

Pseudamusium andersoni Dall.
Pseudamusium ringnesia n. sp.
Yoldiella obesa Stimpson.
Bathyarca pectunculoides Scacchi.
Astarte globosa Moller.
Lora scalarioides G. O. Sars, var.
Buccinum hydrophanum Hancock.
Euspira affinis Gmelin.
Margarites argentatus Gould.

NOTES

Trichotropis borealis Sowerby

This species has generally been confounded with its European analogue, but a careful inspection is sufficient to show the distinctness. Sowerby's species was described from America.

Pseudamusium andersoni Dall

The collector notes that this species was cast up on the beach in windrows two or three feet high, like dead leaves, only far thinner and more fragile. The shells are usually worn so that the more delicate surface is lost and it becomes difficult to distinguish it from *P. grönlandicus*. This species was described in 1919 from specimens dredged in about 50 fathoms in Dolphin and Union strait.

Pseudamusium ringnesia n. sp.

Shell small, translucent white, extremely thin, nearly flat; disk nearly circular, sculptured with about 30 thin, sharp, regularly concentric lamellae with much wider interspaces; the outer edge of these lamellae is produced and bent down but not attached at the distal edge, covering about two-thirds of the interspace in front of the lamella; these loose margins are somewhat wavy and narrower posteriorly and stop short on a line radiating from the umbo toward the posterior base; at the point of termination they expand into postules forming a line bordering a posterior area, sculptured only by close, low, concentric lamellation; the true surface of the valve is not undulated but sculptured with fine radial striae; the whole of this lamellation is of extreme fragility and liable to be affected by a touch; the hinge margin is straight, the anterior ear larger than the posterior, with a close, minute, subspinose, concentric lamellation: the posterior ear with only lines of growth; the hinge is minute, the interior of the disk smooth, the external sculpture showing through. Height 12 mm.; breadth 13 mm.

Only one left valve was obtained but the sculpture is quite unique and the shell is not undulated, the appearance of undulation arising from the folded-over edges of the lamellae.

Type.—Victoria Memorial Museum, Ottawa (Mollusks, No. 4376). Figured on Plate 4.

Yoldiella obesa Stimpson

This has been identified with *Y. lucida* Lovèn, but the uncertainty leads me to utilize the name which certainly applies.

Lora scalarioides G. O. Sars.

There is only one slightly eroded specimen which is referred to Sars's species. It does not quite agree with specimens so named in the Jeffreys collection but I hesitate to separate it in the absence of a larger series.

Euspira affinis Gmelin

This is the shell referred to Gmelin's species by Jeffreys. It is nearest to *E. pallida* Broderip and Sowerby, of the western arctic but has a less elevated spire and a different umbilical callus. Whether it is really the shell Gmelin had in mind is impossible to be certain, but it seems to have been generally accepted as such by European authors.

List of Mollusks from the Eastern Arctic Region, collected by the Neptune expeditions, etc

Identified by WILLIAM HEALEY DALL

The following mollusks from the eastern arctic region in the collection of the Victoria Memorial Museum, Ottawa, collected by the *Neptune* expeditions to the Arctic, were identified by Dr. William H. Dall in June 1921, in connection with the foregoing report, and as the records are unpublished heretofore are included in this report:—

(Collections by *Neptune* expedition)

BEECHEY ISLAND

Astarte borealis Schumache.

[illegible] SOUND

Macoma calcarea Gmelin, yo.
Nucula tennis Mont.
Serripes grönlandicus Gmelin, yo.
Cylichna alba Brown.
Yoldia limatula Say.

BRYAN ISLAND

Saxicava arctica L.

CUMBERLAND SOUND, BAFFIN ISLAND

Mya truncata L.

ECLIPSE BAY, BAFFIN ISLAND

Mya truncata L.

FULLERTON, HUDSON BAY

Littorina rudis Don.
Mya truncata L.
Mytilus edulis L.
Margarites cinereus Couthouy.
Margarites helicinus Phipps.
Crenella faba Fabricius.
Acmaea emydia ? Dall, yo.
Acmaea testudinalis L.
Macoma intermedia Broderip and Sowerby.
Boreotrophon clathratus Gld.
Admete var. *laevior* Jeffreys.
Buccinum ciliatum Fabricius.
Pecten islandicus Müller.
Astarte borealis Schumacher.
Buccinum hydrophanum Hancock.
(*Cypraea* sp., ballast.)

82519

NORTH SOMERSET ISLAND

Ovicapsules of *Buccinum*.

PONDS INLET, BAFFIN ISLAND

Saxicava pholadis L.
Modilaria laevis Gray.

PORT BURWELL, HUDSON STRAIT

Venericardia borealis Couthouy.
Cardium ciliatum Fabricius.
Macoma oneilli Dall, yo.
Macoma calcarea Gmelin.
Mya truncata L.
Kennerlia glacialis Leach.
Astarte banksi Leach.
Buccinum tenue Gray.
Margarites cinereus Couthouy.
Yoldia limatula Say.
Admete couthouyi Jay (not *viridula*).
Velutina laevigata L.
Margarites helicinus Phipps.
Trichotropis borealis Sowerby.
Tachyrhynchus reticulatus Mighels.
Nucula tenuis Montagu.
Modiolaria nigra Gray.
Anachis cf. *haliæeti* Jeffreys.
Modiolara substriata Gray.
Crenella faba Fabricius.
Astarte borealis Schumacher, yo.
Margarites acuminatus Migh. and Ads. (rare shell).
Astarte borealis Schumacher.
Puncturella princeps Mighels.
Serripes grönlandicus Gmelin.
Machaeroplax varicosus Mighels.

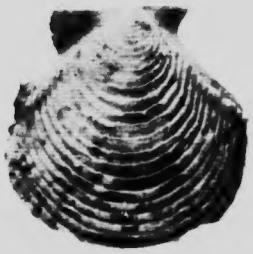
SOUTHAMPTON ISLAND, HUDSON BAY

Buccinum ? *ciliatum* Fabricius.
Buccinum undatum L.
Buccinum cyaneum Hancock.
Buccinum ? *tenue* Gray.
Acmaea emydia Dall.
Astarte borealis Schumacher.
Saxicava artica L.
Mya truncata L.
Mytilus edulis L.
Pecten islandicus Möller.

PORT BURWELL, HUDSON STRAIT

(Collected by Dr. Robert Bell)

Buccinum tenue Gray.
Margarites striatus Sowerby, yo.
Trichotropis borealis Sowerby.
Tachyrhynchus reticulatus Mighels.
Crenella faba Fabricius.
Natica clausa Broderip and Sowerby.
Buccinum polare Gray.
Buccinum hydrophanum Hancock.
Mya truncata L.
Astarte borealis Schumacher.
Modiolaria nigra Gray.
Modiolaria laevis Gray.
Modiolaria corrugata Stm.
Serripes grönlandicus Gmelin.
Lyonsia hyalina Conrad.
Leda minuta Fabricius.
Macoma calcarea Gmelin, yo.
Astarte banksii Leach, var. ?
Hemithyris psittacea Gmelin.



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